

IN THE CLAIMS:

Please cancel Claims 1 to 100 without prejudice or disclaimer of subject matter and add new Claims 101 to 128 as shown below. The claims, as currently pending in the application, read as follows:

1. to 100. (Canceled)

101. (New) An information processing apparatus which communicates with a printer having a plurality of logical channels including a management channel which receives data for controlling printing of a job and a data channel which receives print data, comprising:

a first generating means for generating control data for controlling printing of a job;

a transfer control means for controlling transfer of the control data generated by said first generating means through the management channel; and

a second generating means for generating cancel data containing a cancel instruction if a cancel instruction of the print job is detected while transferring the print data through the data channel,

wherein said transfer control means controls the transfer of the cancel data containing the cancel instruction of the print job generated by the second generating means through the data channel.

102. (New) The information processing apparatus according claim 101,

wherein said first generating means and said second generating means comprise a packet generating means for generating packets,

wherein said second generating means generates a cancel packet containing the cancel instruction of the print job when said cancel instruction of the print job is detected while transferring a print data packet through said data channel, and said transfer control means controls the transfer of said cancel packet through said data channel.

103. (New) The information processing apparatus according to claim 102, wherein said cancel instruction of said print job is a flag contained in a header of the cancel packet.

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104. (New) The information processing apparatus according to claim 101, further comprising:

a management table for managing a transfer status of a print job; and
a cancel controlling means for canceling a print job retained in a host computer by referencing said management table.

105. (New) The information processing apparatus according to claim 101, wherein said cancel data containing the cancel instruction of the print data contain dummy data.

106. (New) A printer having a plurality of logical channels including a management channel which receives control data for controlling a print job and a data

channel which receives print data, comprising:

a transfer device for transferring, through said management channel, the control data for controlling the print job generated by an information processing apparatus with which the printer communicates; and

a canceling device for canceling data already received in response to receiving, through said data channel by a receiving means, cancel data containing a cancel instruction of a print job, the cancel data being generated when the cancel instruction of the print job is detected while transferring print data through said data channel.

71 107. (New) The printer according to Claim 106, wherein said cancel data containing the cancel instruction of the print data contains dummy data.

108. (New) A processing method of an information processing apparatus which communicates with a printer having a plurality of logical channels including a management channel which receives control data for controlling a print job and a data channel which receives print data, comprising the steps of:

a first generating step for generating control data for controlling a print job;

a first transfer control step for controlling transfer of the control data generated by said first generating step through said management channel;

a second generating step for generating cancel data containing a cancel instruction of a print job when a cancel instruction of the print job is detected while transferring the print data through said data channel; and

a second transfer control step for controlling transfer of the cancel data

containing said cancel instruction of the print job generated by said second generating step through said data channel.

109. (New) The processing method according to claim 108, wherein said first generating step and said second generating step comprise a packet generating step for generating packets,

31 wherein said second generating step generates a cancel packet containing the cancel instruction of the print job when said cancel instruction of the print job is detected while transferring a print data packet through said data channel, and said second transfer control step controls the transfer of said cancel packet through said data channel.

110. (New) The processing method according to claim 109, wherein said cancel instruction of the print job is a flag contained in a header of the cancel packet.

111. (New) The processing method according to Claim 108, further comprising a cancel control step for canceling a print job retained in a host computer in accordance with referencing a managing table which manages a transfer status of a print job.

112. (New) The processing method according to Claim 108, wherein said cancel data containing the cancel instruction of the print job contains dummy data.

113. (New) A processing method of a printer having a plurality of logical

channels including a management channel which receives control data for controlling a print job and a data channel which receives print data, comprising the steps of:

a receiving step for receiving, through said management channel, the control data for controlling a print job generated by an information processing apparatus with which the printer communicates; and

a canceling step for canceling data already received, in response to receiving by a receiving unit through said data channel, cancel data containing a cancel instruction of a print job generated when a cancel instruction of the print job is detected while transferring print data through said data channel.

114. (New) The processing method according to Claim 113, wherein said cancel data containing the cancel instruction of the print job contains dummy data.

115. (New) Computer-executable process steps for a processing method of an information processing apparatus which communicates with a printer having a plurality of logical channels including a management channel which receives control data for controlling a print job and a data channel which receives print data, the executable process steps comprising the steps of:

a first generating step for generating control data for controlling a print job;

a first transfer control step for controlling transfer of the control data generated by said first generating step through said management channel;

a second generating step for generating cancel data containing a cancel instruction of a print job when a cancel instruction of the print job is detected while

transferring the print data through said data channel; and

a second transfer control step for controlling transfer of the cancel data containing said cancel instruction of the print job generated by said second generating step through said data channel.

116. (New) Computer-executable process steps according to claim 115, wherein said first generating step and said second generating step comprise a packet generating step for generating packets,

3. wherein said second generating step generates a cancel packet containing the cancel instruction of the print job when said cancel instruction of the print job is detected while transferring a print data packet through said data channel, and said second transfer control step controls the transfer of said cancel packet through said data channel.

117. (New) Computer-executable process steps according to claim 116, wherein said cancel instruction of the print job is a flag contained in a header of the cancel packet.

118. (New) Computer-executable process steps according to Claim 115, further comprising a cancel control step for canceling a print job retained in a host computer in accordance with referencing a managing table which manages a transfer status of a print job.

119. (New) Computer-executable process steps according to Claim 115,

wherein said cancel data containing the cancel instruction of the print job contains dummy data.

120. (New) Computer-executable process steps for a processing method of a printer having a plurality of logical channels including a management channel which receives control data for controlling a print job and a data channel which receives print data, the executable process steps comprising the steps of:

31 a receiving step for receiving, through said management channel, the control data for controlling a print job generated by an information processing apparatus with which the printer communicates; and

a canceling step for canceling data already received, in response to receiving by a receiving unit through said data channel, cancel data containing a cancel instruction of a print job generated when a cancel instruction of the print job is detected while transferring print data through said data channel.

121. (New) Computer-executable process steps according to Claim 120, wherein said cancel data containing the cancel instruction of the print job contains dummy data.

122. (New) A computer-readable storage medium on which are stored computer-executable process steps for a processing method of an information processing apparatus which communicates with a printer having a plurality of logical channels including a management channel which receives control data for controlling a print job and

a data channel which receives print data, the executable process steps comprising the steps of:

a first generating step for generating control data for controlling a print job;

a first transfer control step for controlling transfer of the control data generated by said first generating step through said management channel;

a second generating step for generating cancel data containing a cancel instruction of a print job when a cancel instruction of the print job is detected while transferring the print data through said data channel; and

a second transfer control step for controlling transfer of the cancel data containing said cancel instruction of the print job generated by said second generating step through said data channel.

123. (New) The computer-readable storage medium according to claim 122, wherein said first generating step and said second generating step comprise a packet generating step for generating packets,

wherein said second generating step generates a cancel packet containing the cancel instruction of the print job when said cancel instruction of the print job is detected while transferring a print data packet through said data channel, and said second transfer control step controls the transfer of said cancel packet through said data channel.

124. (New) The computer-readable storage medium according to claim 123, wherein said cancel instruction of the print job is a flag contained in a header of the cancel packet.

125. (New) The computer-readable storage medium according to Claim 122, further comprising a cancel control step for canceling a print job retained in a host computer in accordance with referencing a managing table which manages a transfer status of a print job.

126. (New) The computer-readable storage medium according to Claim 122, wherein said cancel data containing the cancel instruction of the print job contains dummy data.

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127. (New) A computer-readable storage medium on which are stored computer-executable process steps for a processing method of a printer having a plurality of logical channels including a management channel which receives control data for controlling a print job and a data channel which receives print data, the executable process steps comprising the steps of:

a receiving step for receiving, through said management channel, the control data for controlling a print job generated by an information processing apparatus with which the printer communicates; and

a canceling step for canceling data already received, in response to receiving by a receiving unit through said data channel, cancel data containing a cancel instruction of a print job generated when a cancel instruction of the print job is detected while transferring print data through said data channel.

128. (New) The computer-readable storage medium according to Claim

B₁ 127, wherein said cancel data containing the cancel instruction of the print job contains
C₂ dummy data.
